

[FIG.1]

TRANSMISSION DATA

101 CODING SECTION

102 MODULATION SECTION

5 103 COMBINATION SECTION

104 S/P CONVERSION SECTION

105 IFFT SECTION

106 GI INSERTION SECTION

107 RADIO TRANSMISSION PROCESSING SECTION

10 109 PAPR CALCULATION SECTION

111 PEAK DECISION SECTION

112 INVERSE REPLICA GENERATION SECTION

114 SUB-BAND SELECTION SECTION

116 FFT SECTION

15 110 CUTOFF INSTRUCTION SECTION

113 SUB-BAND SPECIFYING SECTION

123 TRANSMISSION PARAMETER DETERMINING SECTION

RECEIVED DATA

122 DECODING SECTION

20 121 DEMODULATION SECTION

120 FFT SECTION

119 GI REMOVING SECTION

118 RADIO RECEPTION PROCESSING SECTION

25 [FIG.2]

MODULATION SCHEME

CODING RATE R

NO TRANSMISSION

[FIG. 3]

START

5 ST302 MEASURE PAPR
ST303 IS THERE PEAK EQUAL TO OR HIGHER THAN THRESHOLD
 α ?
ST304 GENERATE REPLICA
ST305 GENERATE INVERSE REPLICA
10 ST306 SELECT SUB-BAND
ST308 COMBINE
END

[FIG. 4]

15 THRESHOLD
1-SYMBOL TIME
TIME

[FIG. 5]

20 AMPLITUDE
THRESHOLD β
THRESHOLD $-\beta$
TIME
1-SYMBOL TIME

25

[FIG. 6]

AMPLITUDE

THRESHOLD

TIME

1-SYMBOL TIME

5 [FIG.7]

AMPLITUDE

TIME

1-SYMBOL TIME

10 [FIG.8]

BAND 1

BAND 2

FREQUENCY

COMMUNICATION BAND F3

15

[FIG.9]

BAND 1

BAND 2

FREQUENCY

20 COMMUNICATION BAND F3

[FIG.10]

FREQUENCY

25 [FIG.12]

START

ST1202 MEASURE PAPR

ST1203 IS THERE PEAK EQUAL TO OR HIGHER THAN THRESHOLD
 α ?

ST1204 SET K=0

ST1205 SELECT N SUB-BAND (N=N+K)

5 ST1207 COMBINE

ST1209 SELECT K NEW SUB-BAND

ST1208 IS THERE PEAK EQUAL TO OR HIGHER THAN THRESHOLD
 α ?

END

10

[FIG.13]

BAND 1

BAND 2

BAND 3

15 FREQUENCY

COMMUNICATION BAND F3

[FIG.14]

START

20 ST1402 MEASURE PAPR

ST1403 IS THERE PEAK EQUAL TO OR HIGHER THAN THRESHOLD
 α ?

ST1405 COMBINE

ST1406 IS THERE PEAK EQUAL TO OR HIGHER THAN THRESHOLD

25 α ?

[FIG.15]

ST1407 SELECT K SUB-BAND

ST1408 SELECT N SUB-BAND (N=N-K)

ST1409 PREDETERMINED COUNT?

ST1410 IS THERE PEAK EQUAL TO OR HIGHER THAN THRESHOLD

5 α ?

ST1411 RETURN K SUB-BAND REMOVED IMMEDIATELY BEFORE

ST1413 COMBINE

END

10 [FIG.16]

TRANSMISSION DATA

101 CODING SECTION

102 MODULATION SECTION

103 COMBINATION SECTION

15 104 S/P CONVERSION SECTION

105 IFFT SECTION

1601 CLIPPING SECTION

106 GI INSERTION SECTION

107 RADIO TRANSMISSION PROCESSING SECTION

20 109 PAPR CALCULATION SECTION

111 PEAK DECISION SECTION

112 INVERSE REPLICA GENERATION SECTION

114 SUB-BAND SELECTION SECTION

116 FFT SECTION

25 110 CUTOFF INSTRUCTION SECTION

113 SUB-BAND SPECIFYING SECTION

123 TRANSMISSION PARAMETER DETERMINING SECTION

RECEIVED DATA

122 DECODING SECTION

121 DEMODULATION SECTION

120 FFT SECTION

5 119 GI REMOVING SECTION

118 RADIO RECEPTION PROCESSING SECTION

[FIG.17]

TRANSMISSION DATA

10 101 CODING SECTION

102 MODULATION SECTION

1701 S/P CONVERSION SECTION

1702 IFFT SECTION

1703 COMBINATION SECTION

15 106 GI INSERTION SECTION

107 RADIO TRANSMISSION PROCESSING SECTION

109 PAPR CALCULATION SECTION

111 PEAK DECISION SECTION

112 INVERSE REPLICA GENERATION SECTION

20 114 SUB-BAND SELECTION SECTION

110 CUTOFF INSTRUCTION SECTION

113 SUB-BAND SPECIFYING SECTION

123 TRANSMISSION PARAMETER DETERMINING SECTION

RECEIVED DATA

25 122 DECODING SECTION

121 DEMODULATION SECTION

120 FFT SECTION

119 GI ELIMINATION SECTION

118 RADIO RECEPTION PROCESSING SECTION

[FIG.18]

5 START

ST1802 MEASURE PAPR

ST1803 IS THERE PEAK EQUAL TO OR HIGHER THAN THRESHOLD

α ?

ST1804 GENERATE REPLICA

10 ST1805 GENERATE INVERSE REPLICA

ST1806 SELECT SUB-BAND

ST1808 COMBINE

END

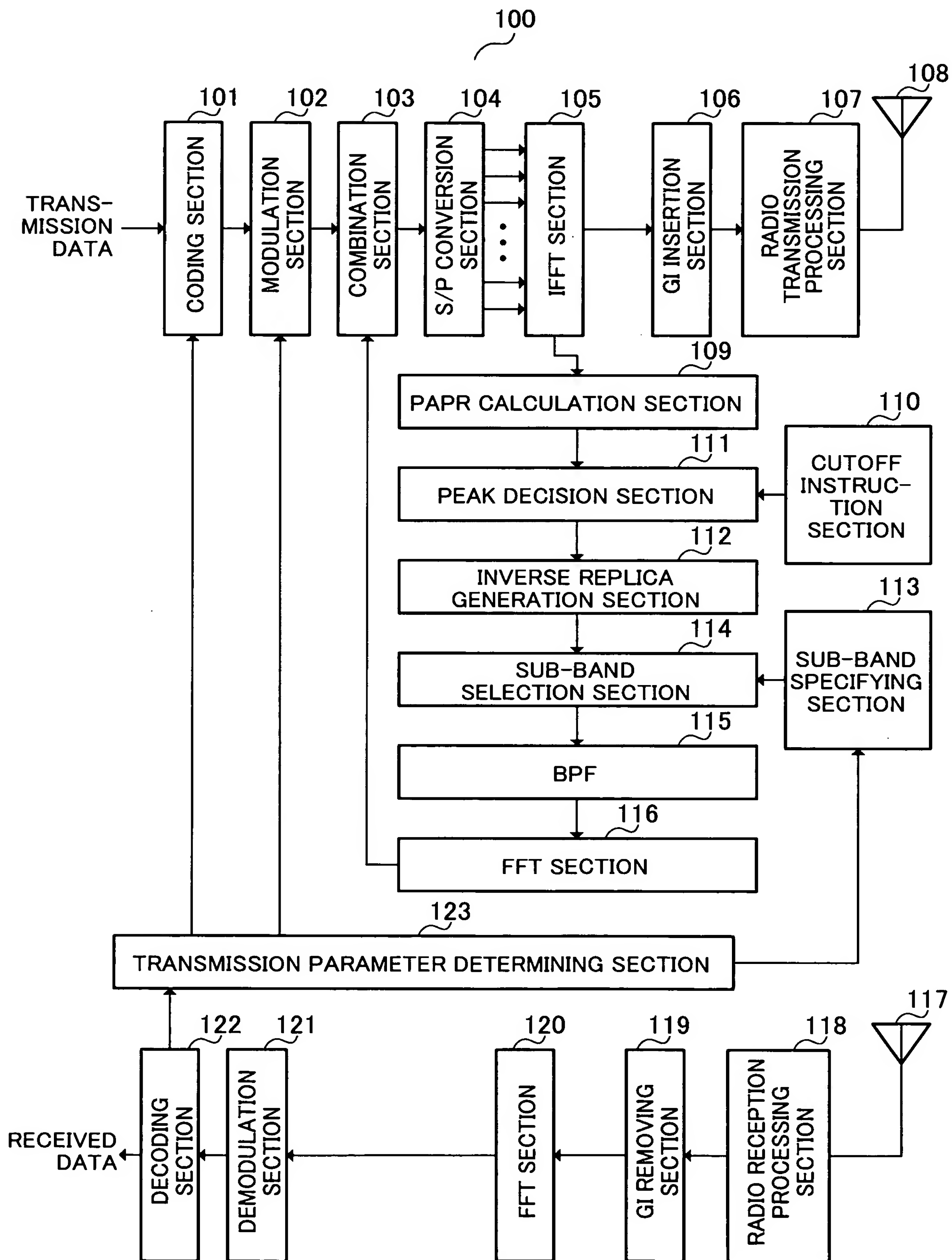


FIG. 1

MCS	MODULATION SCHEME	CODING RATE R
0	NO TRANSMISSION	
1	BPSK	$R=1/3$
2	BPSK	$R=1/2$
3	QPSK	$R=1/3$
4	8PSK	$R=1/3$
5	16QAM	$R=1/3$
6	16QAM	$R=1/2$
7	16QAM	$R=3/4$

FIG.2

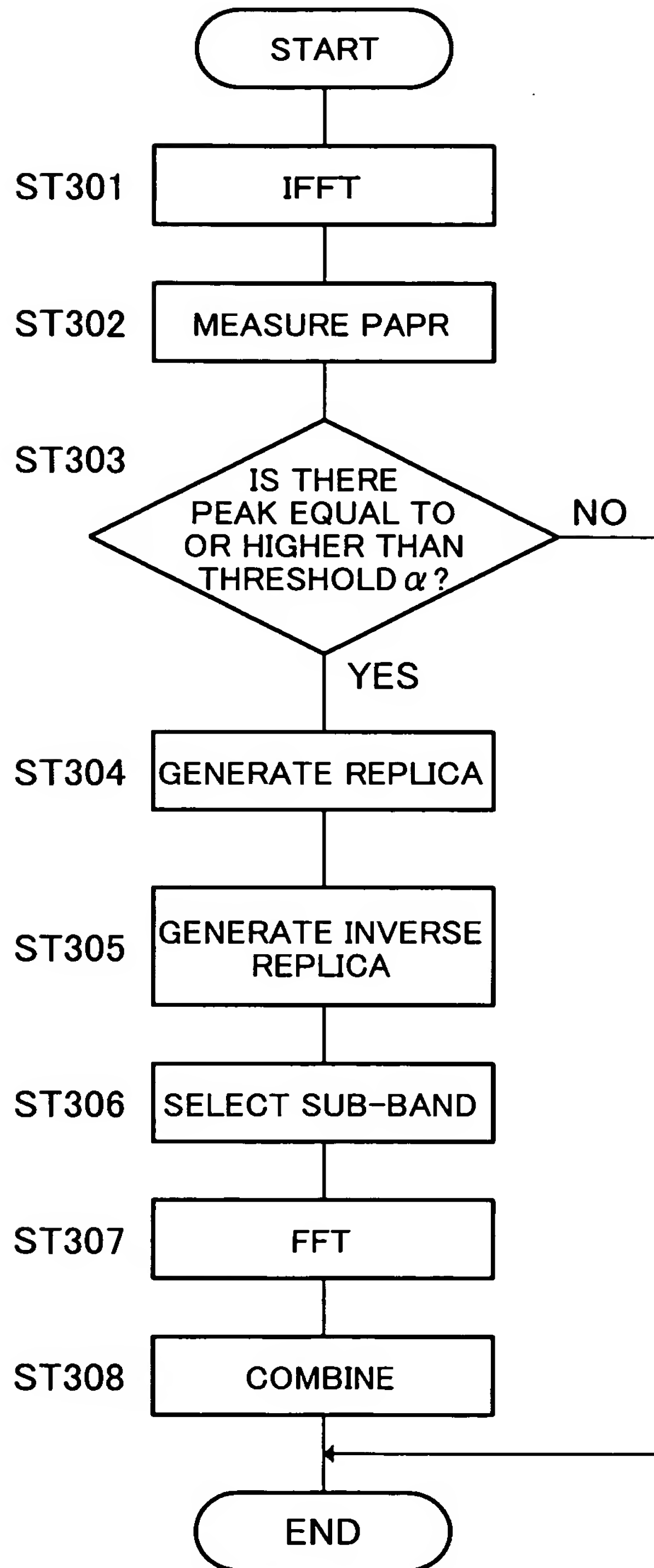


FIG.3

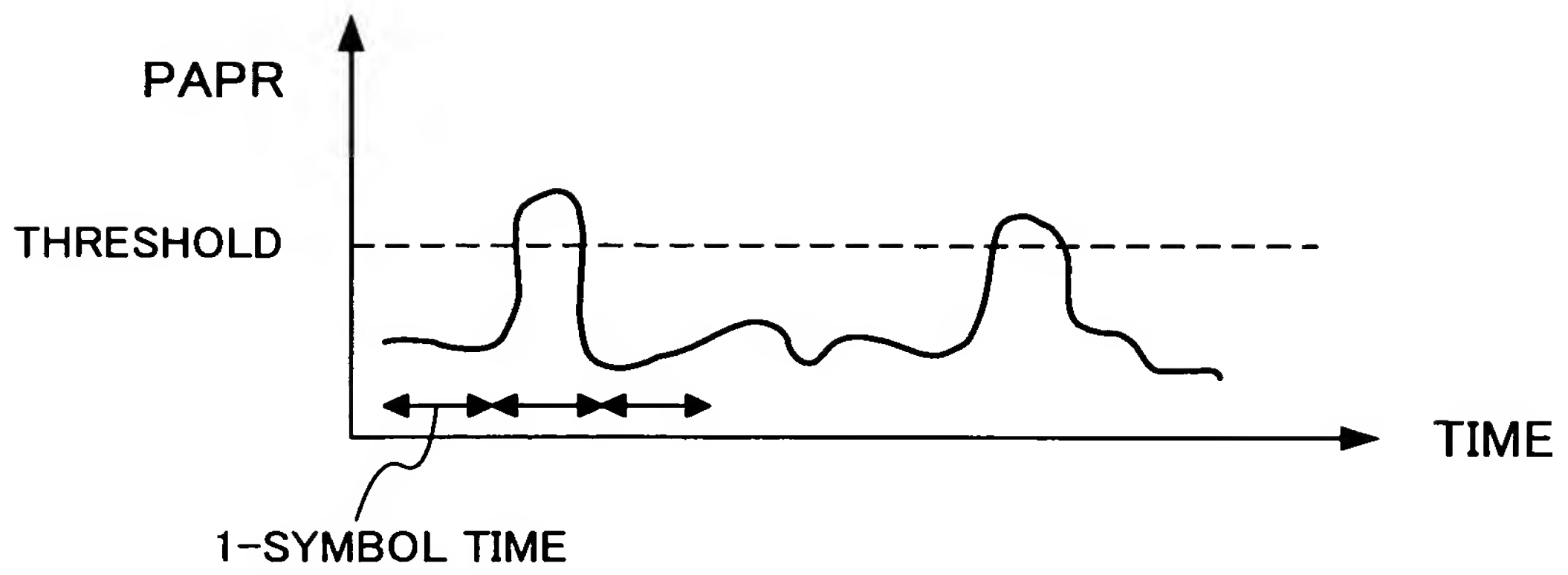


FIG. 4

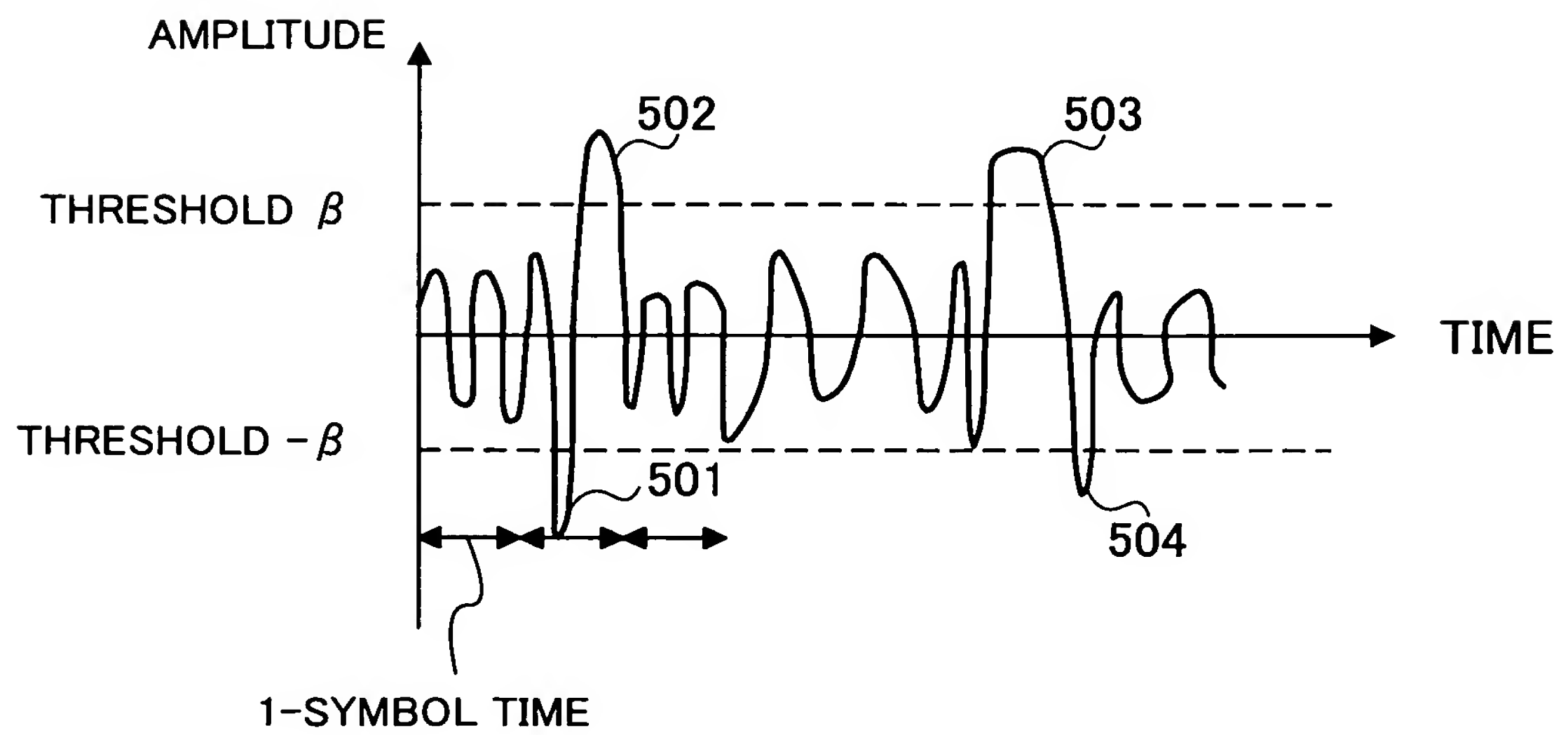


FIG. 5

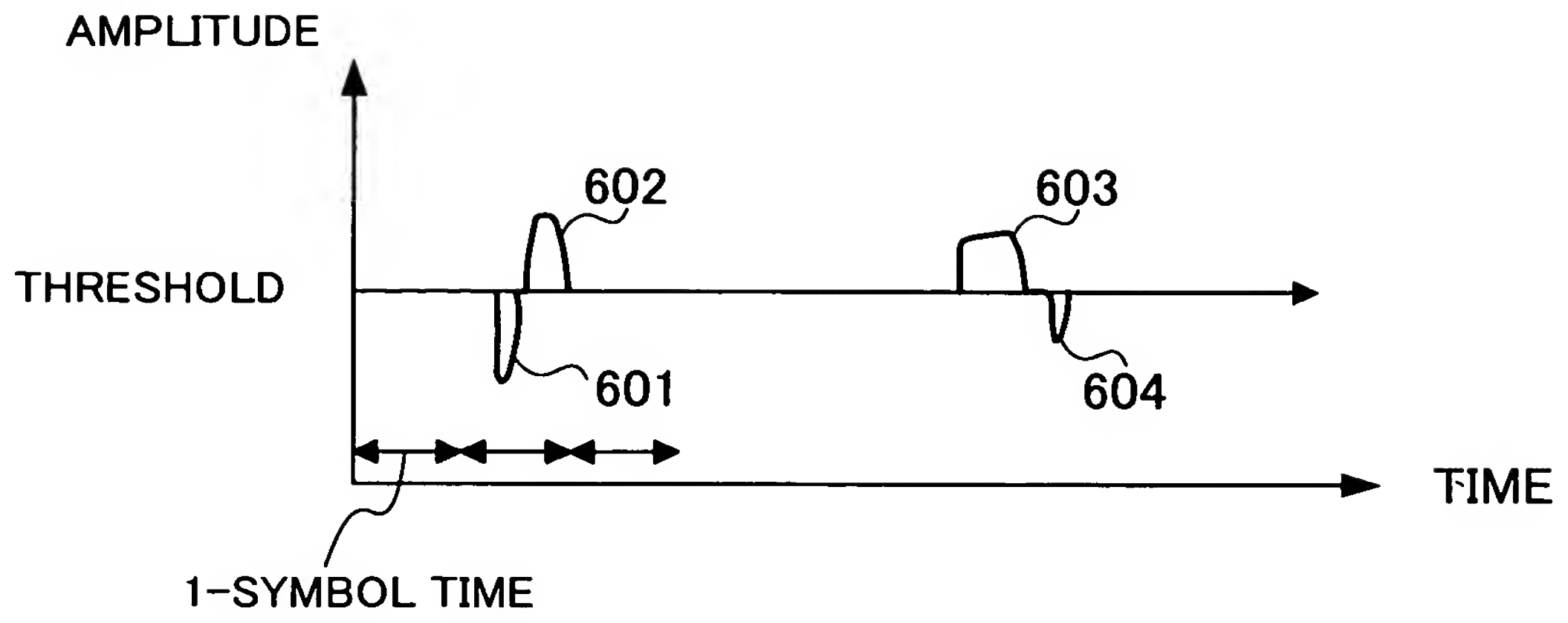


FIG. 6

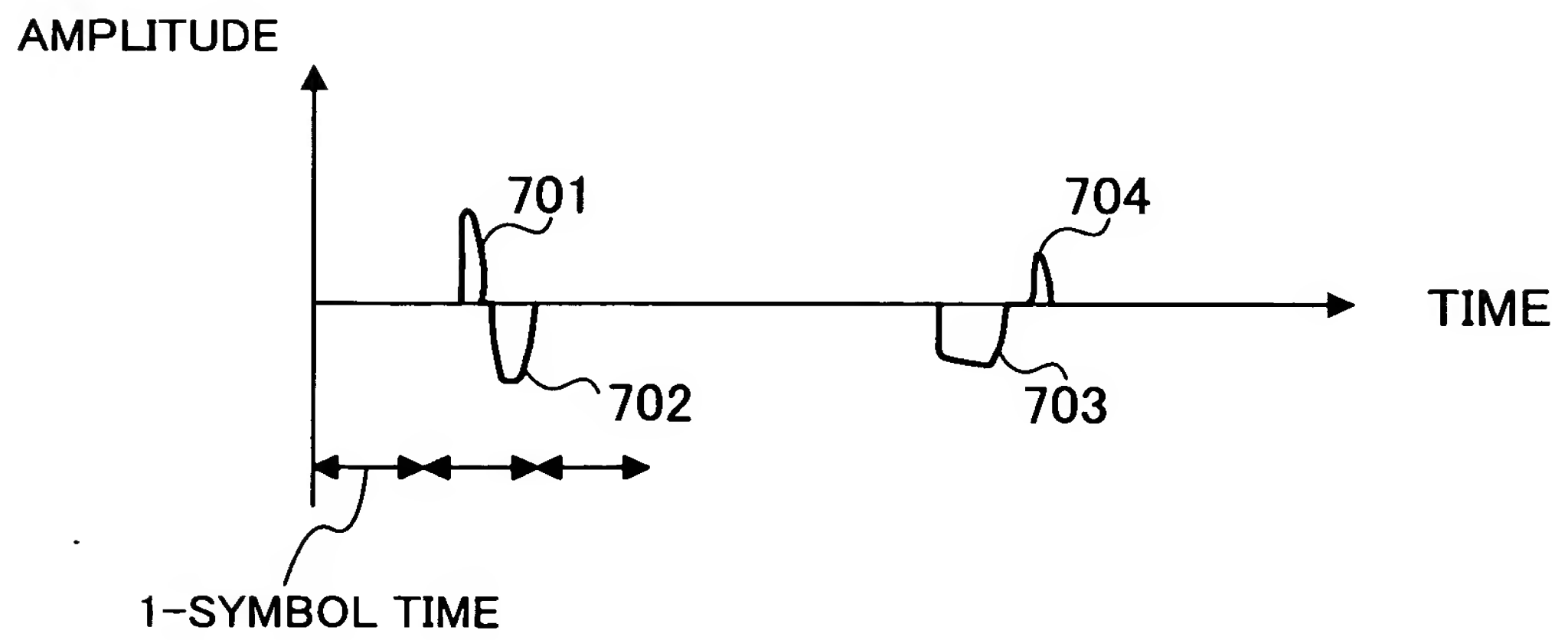


FIG. 7

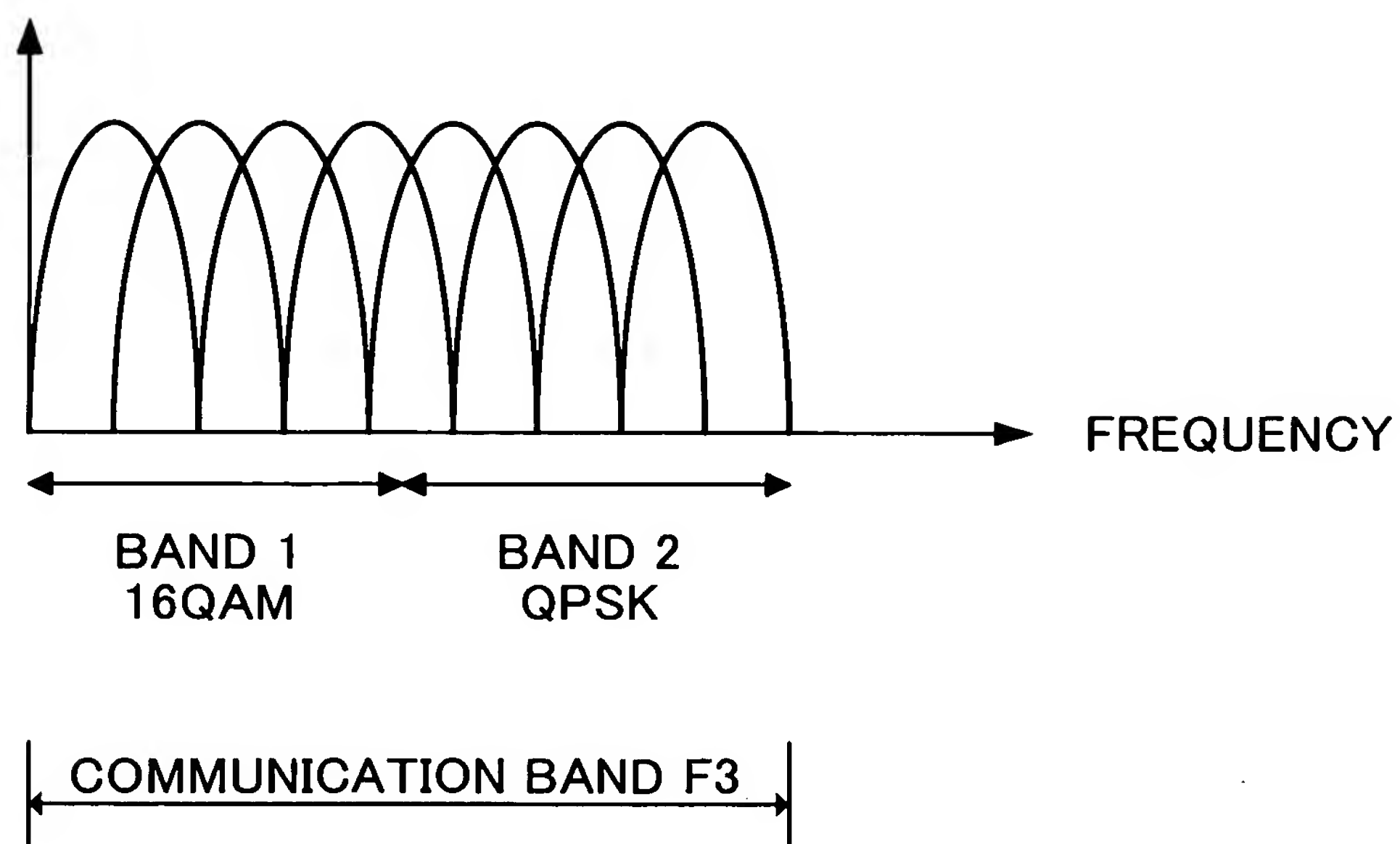


FIG.8

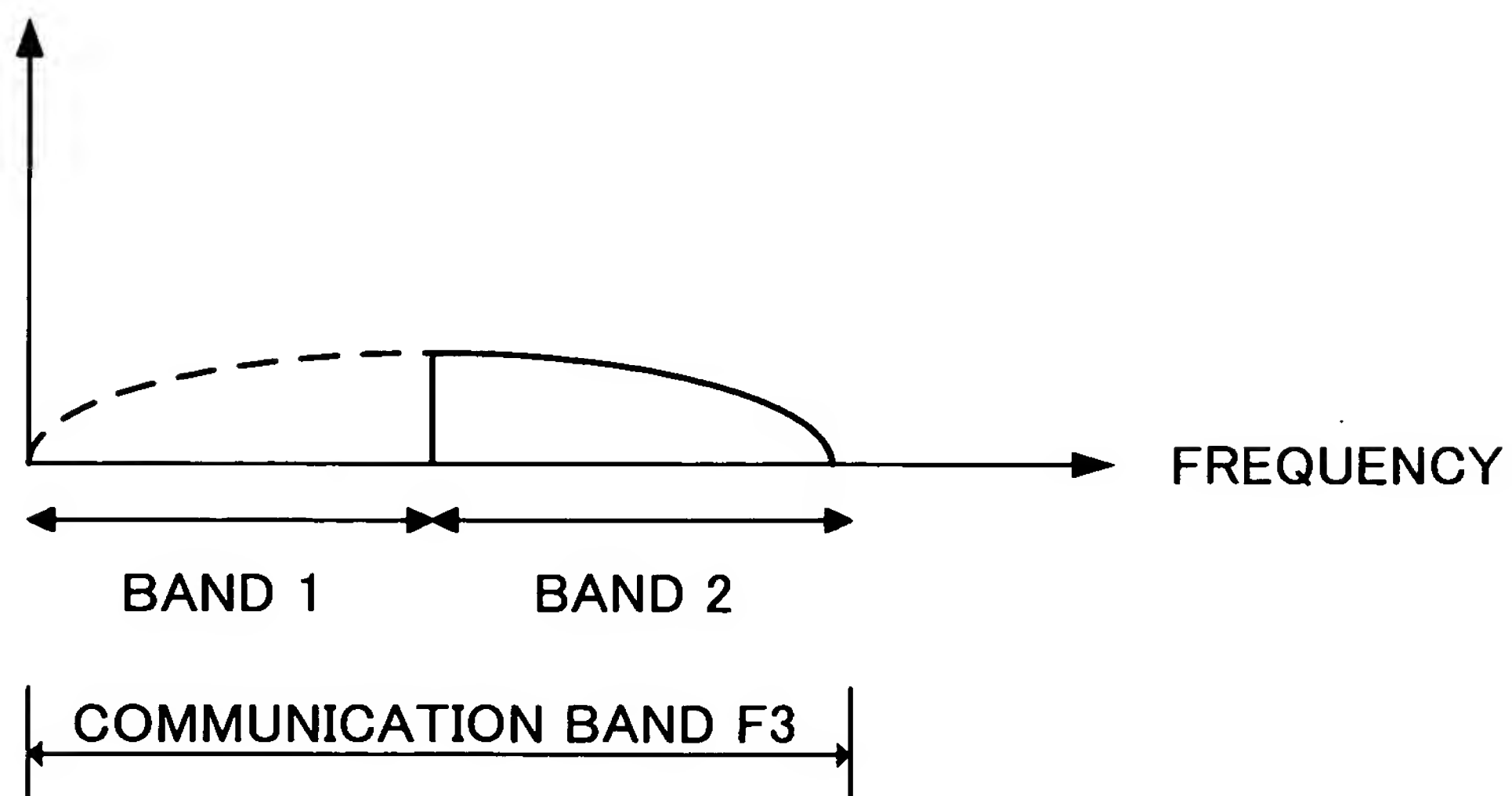


FIG.9

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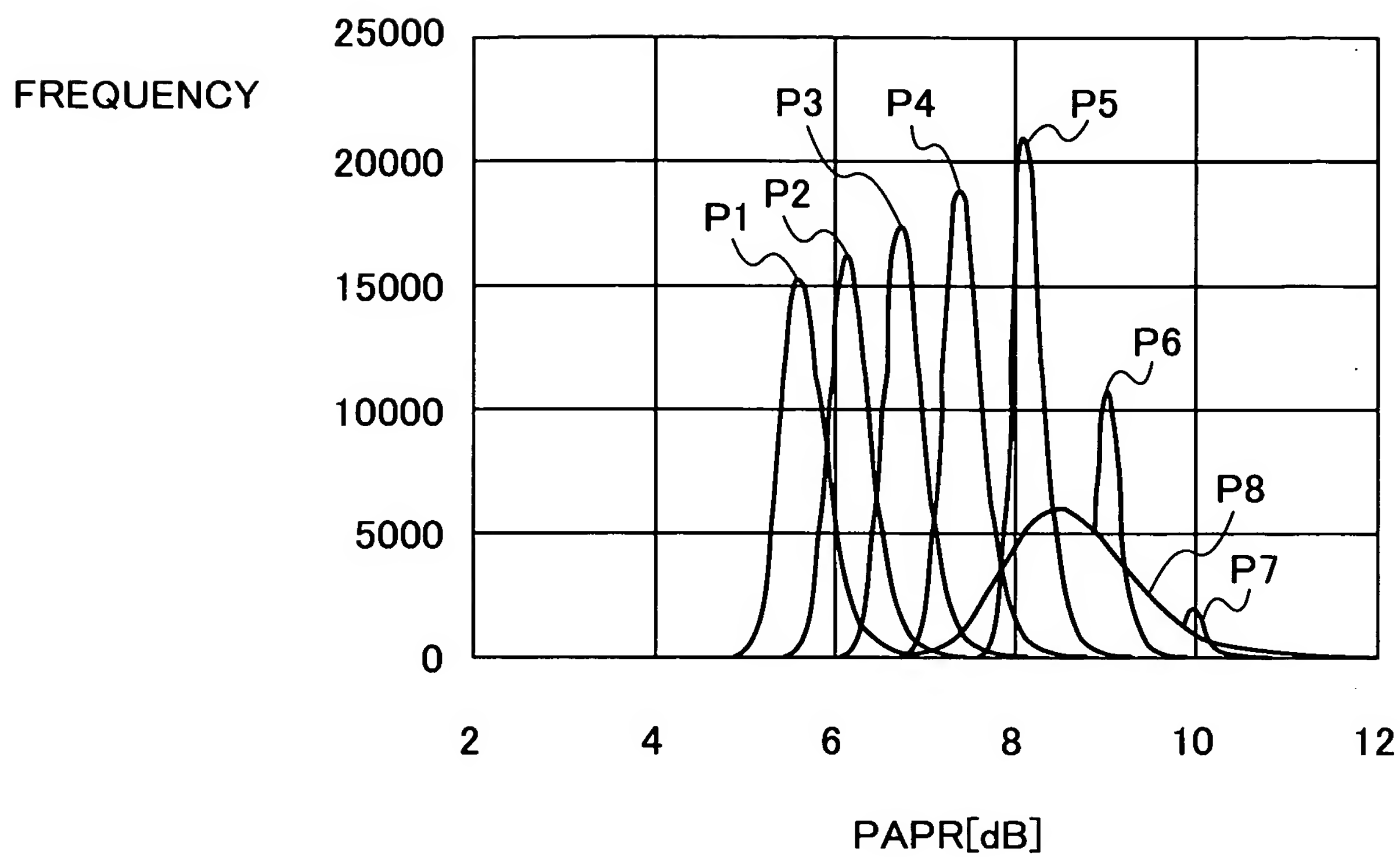


FIG.10

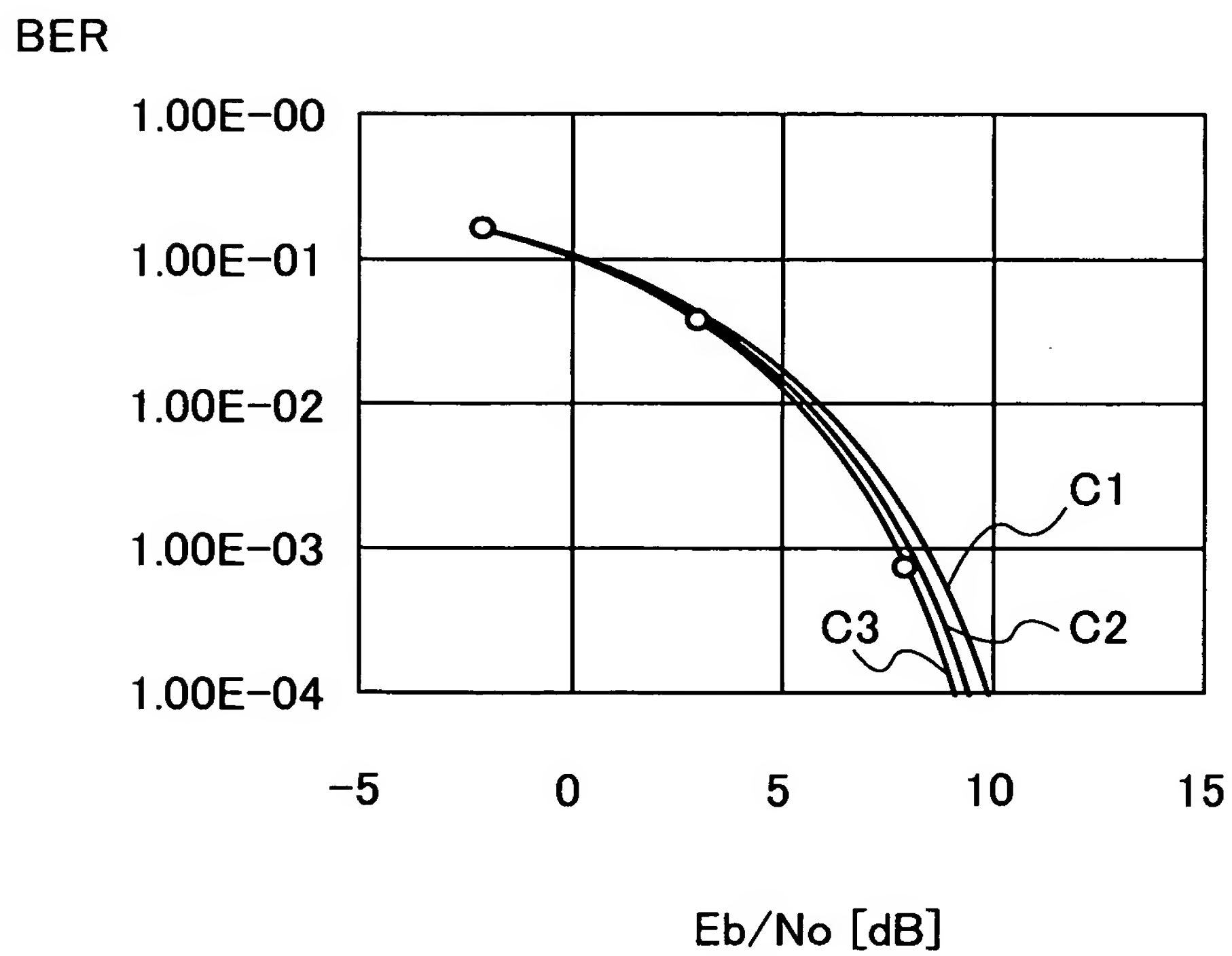


FIG.11

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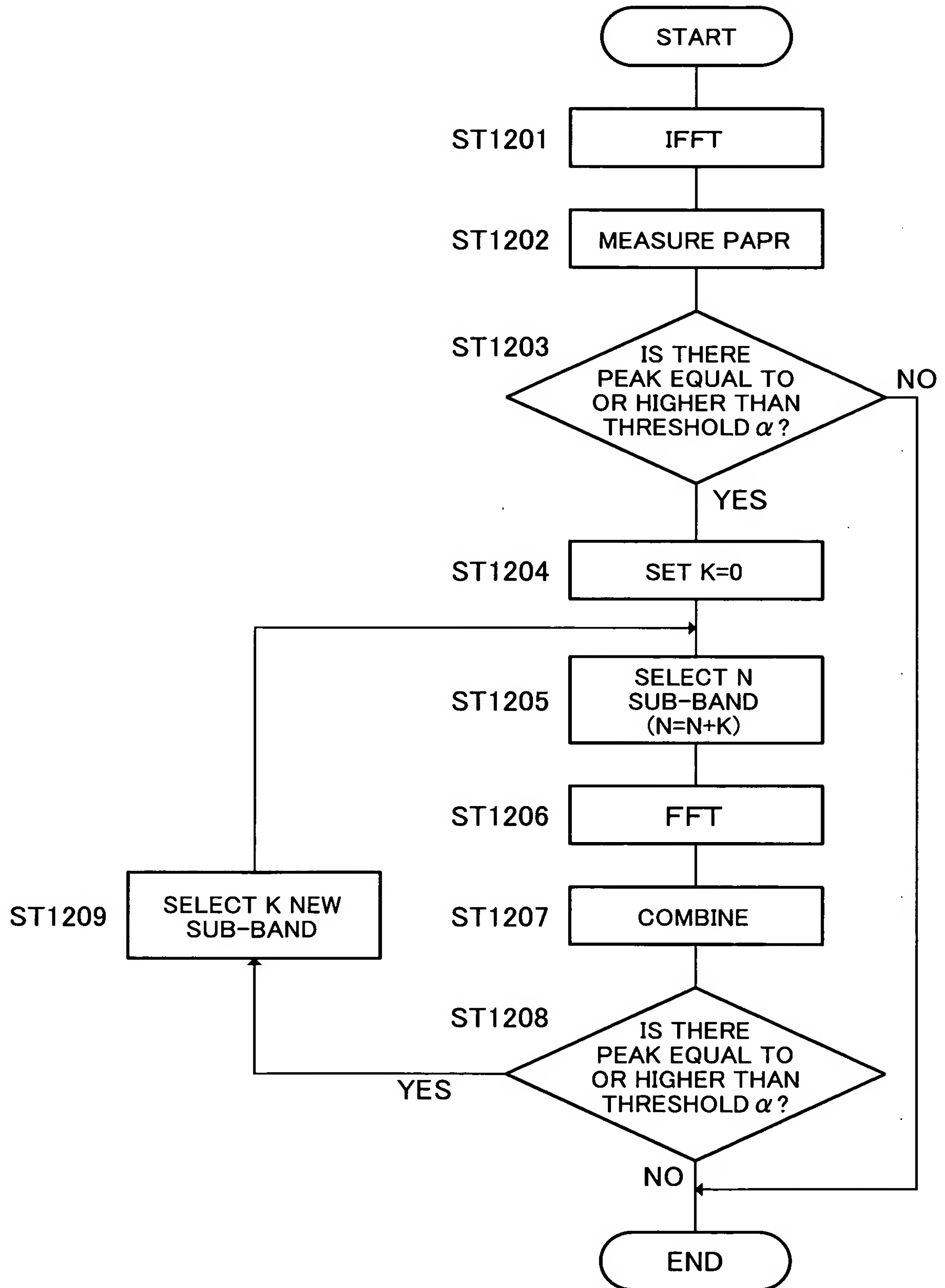


FIG.12

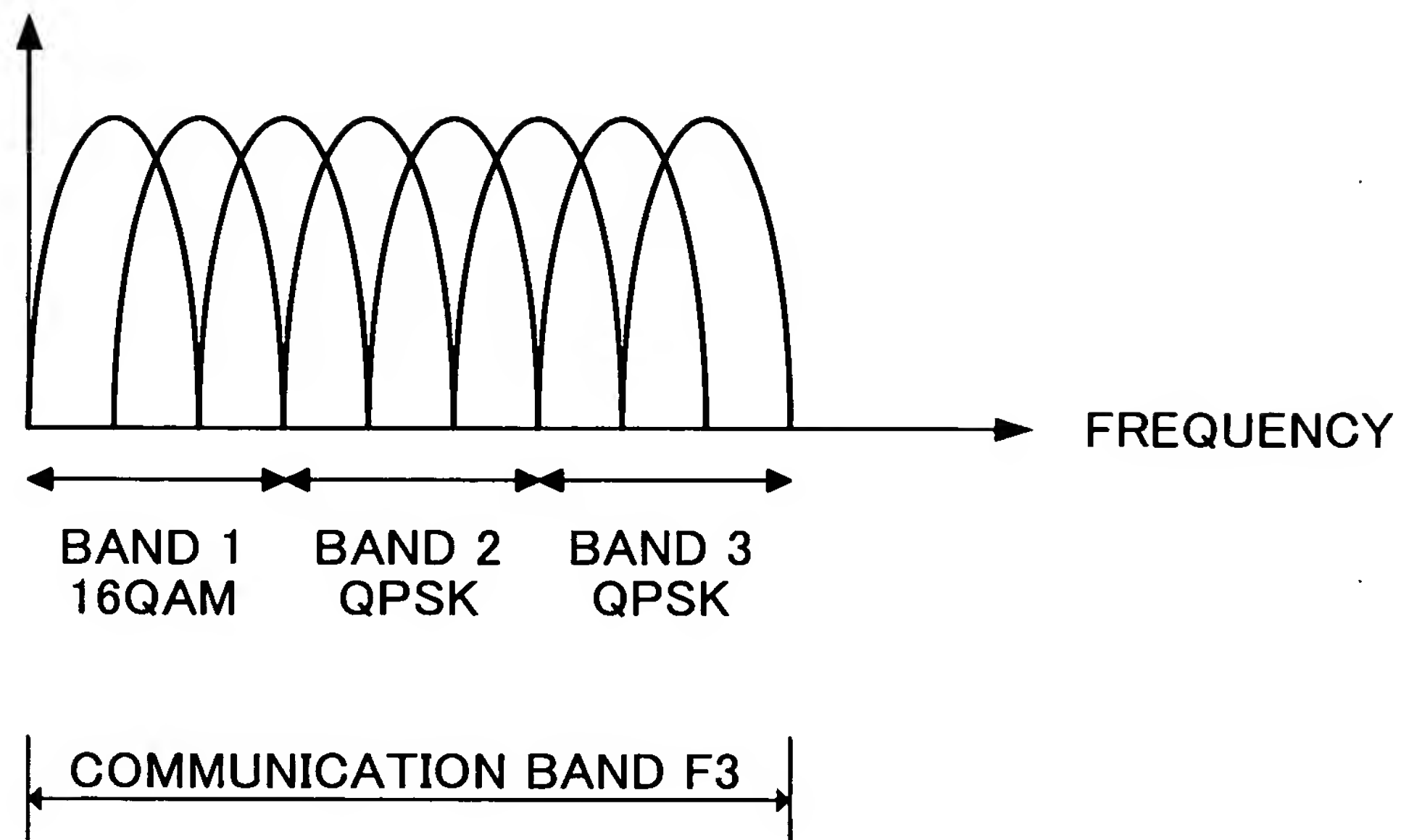


FIG.13

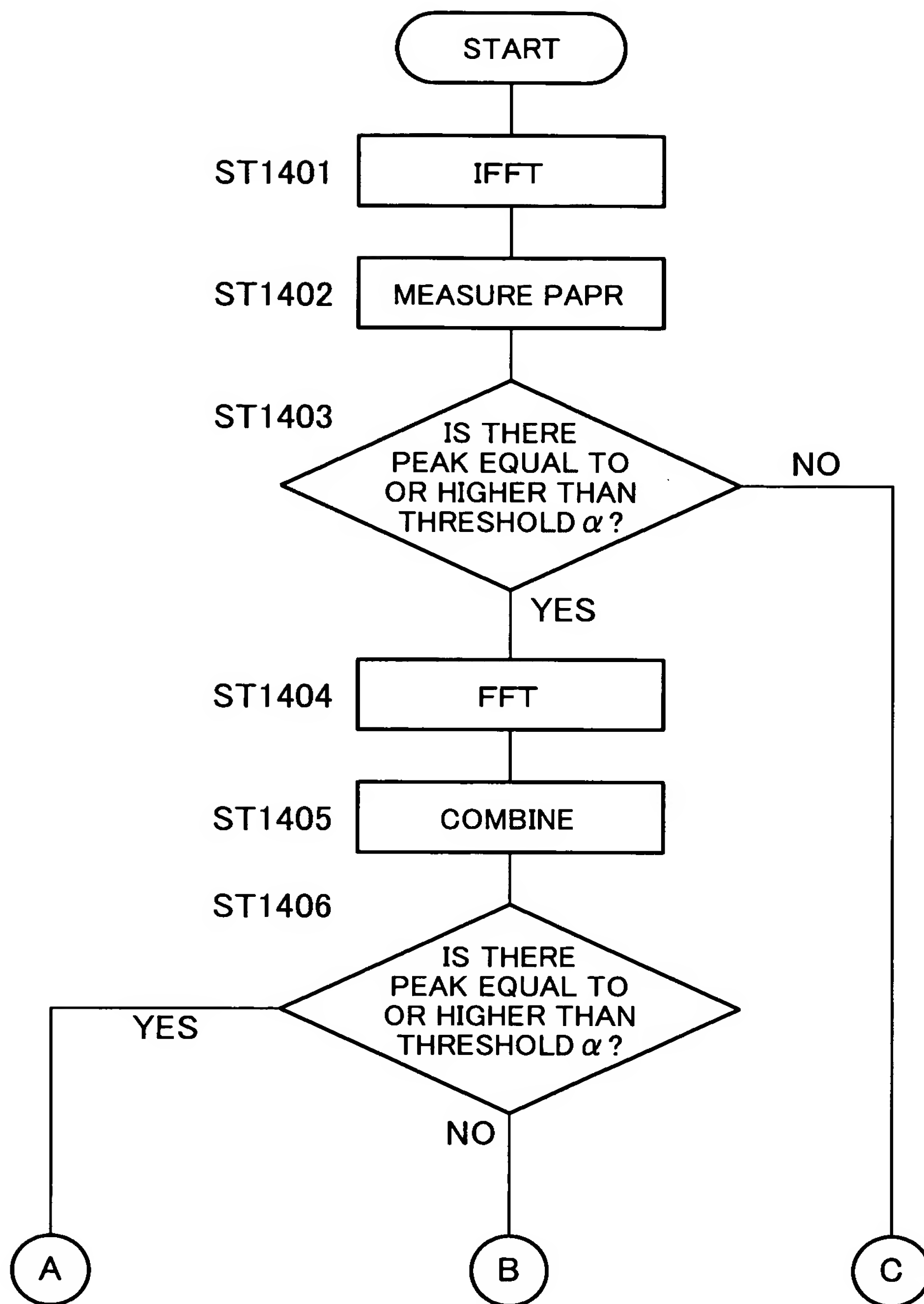


FIG.14

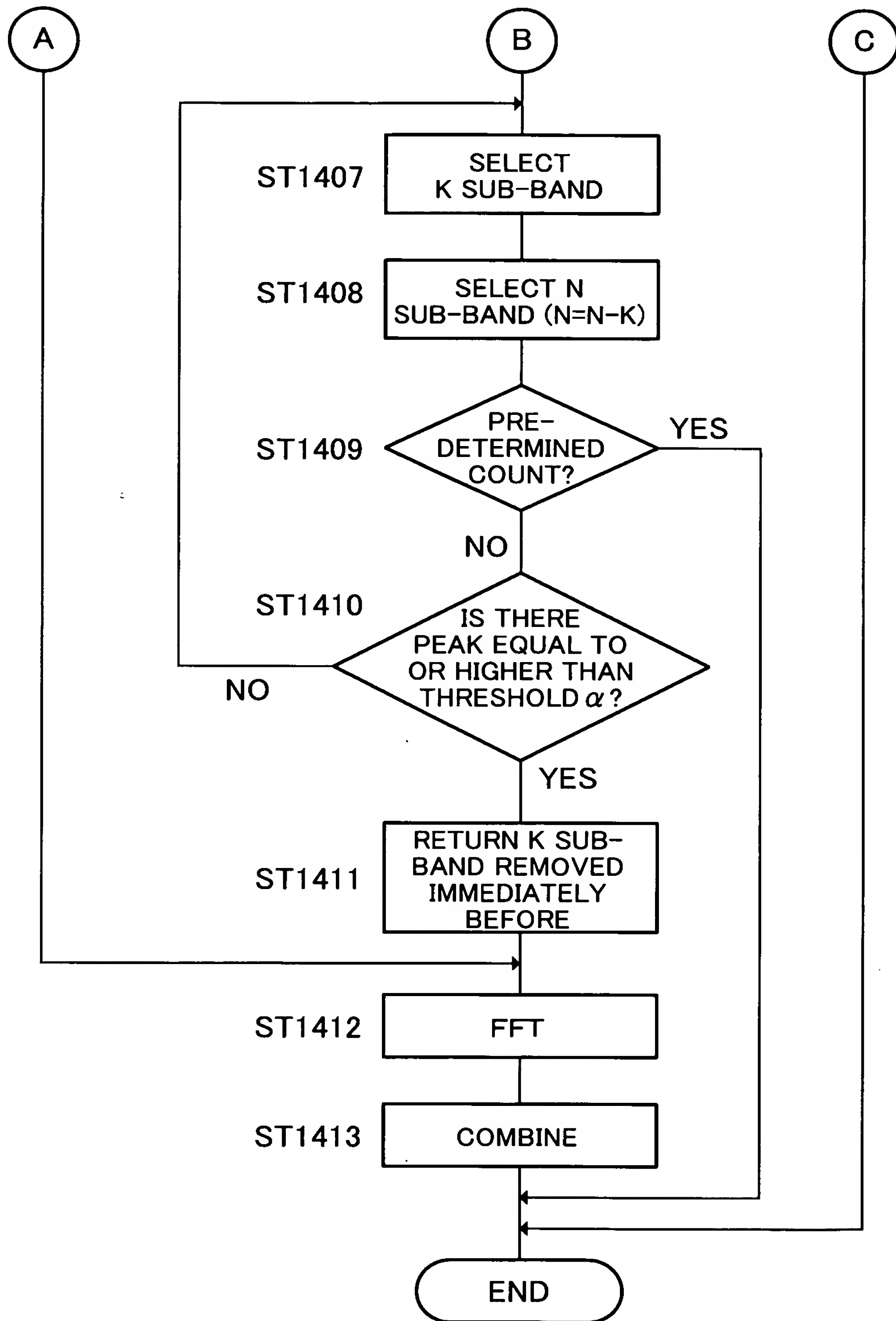


FIG.15

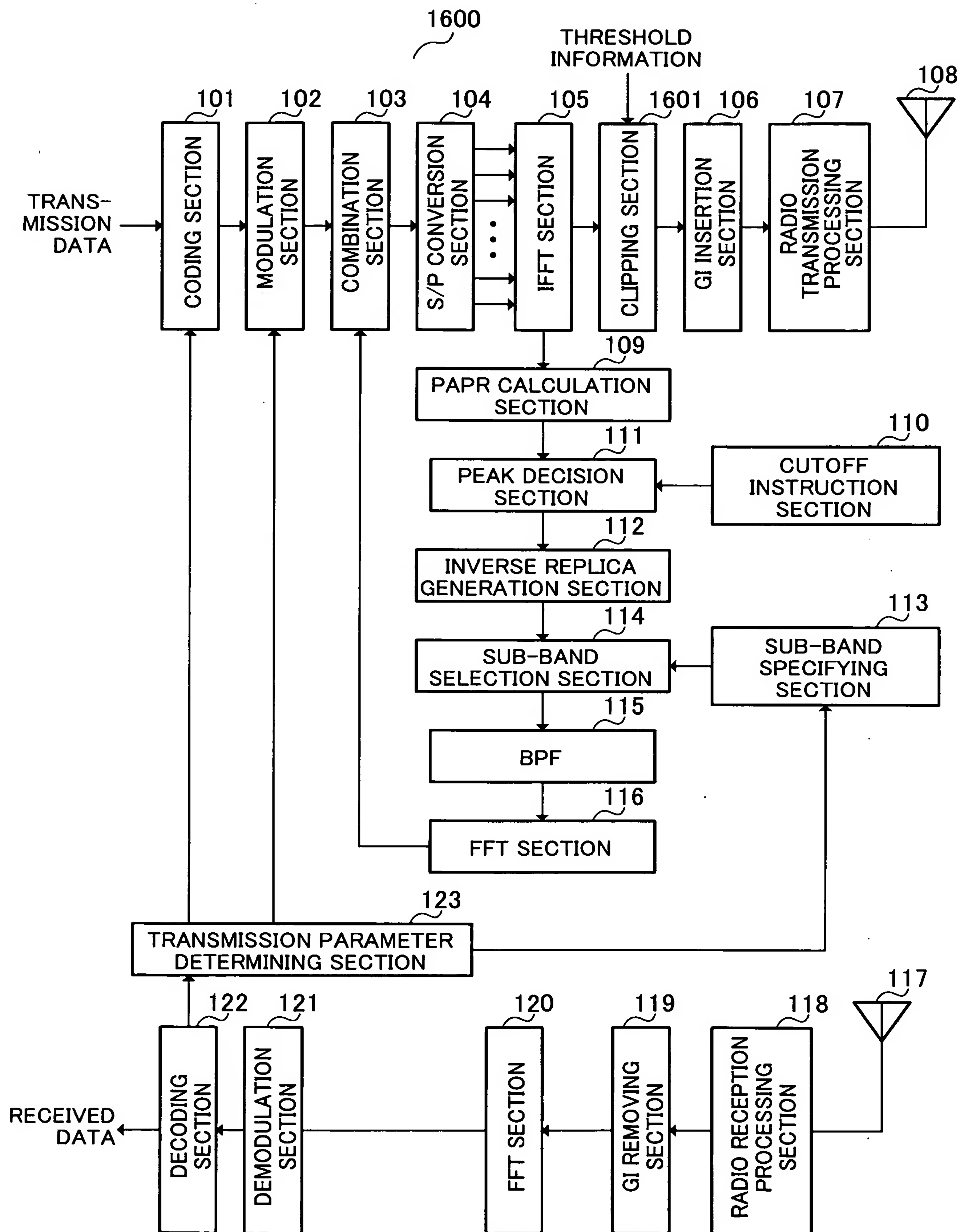


FIG.16

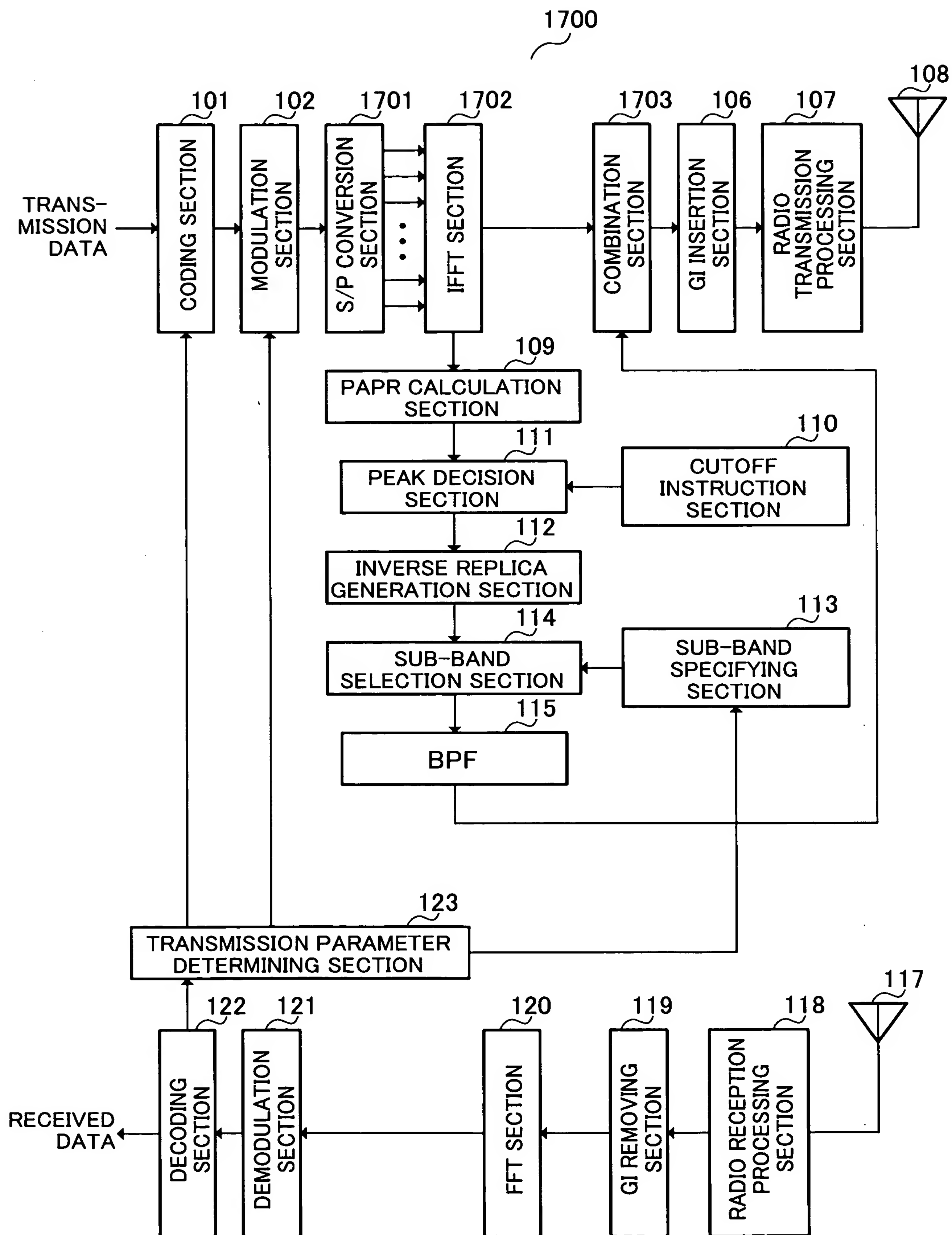


FIG.17

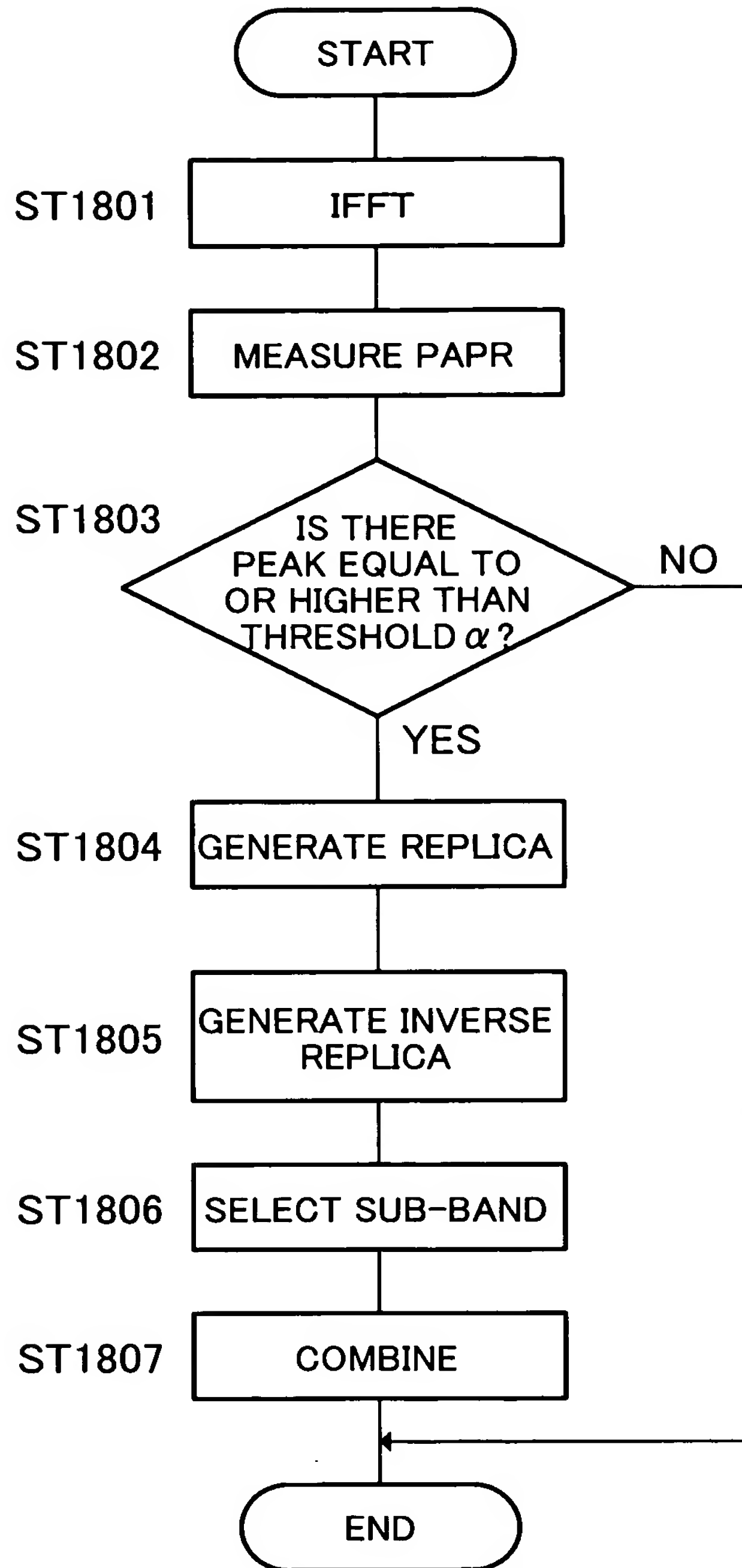


FIG.18